

FIG. 1

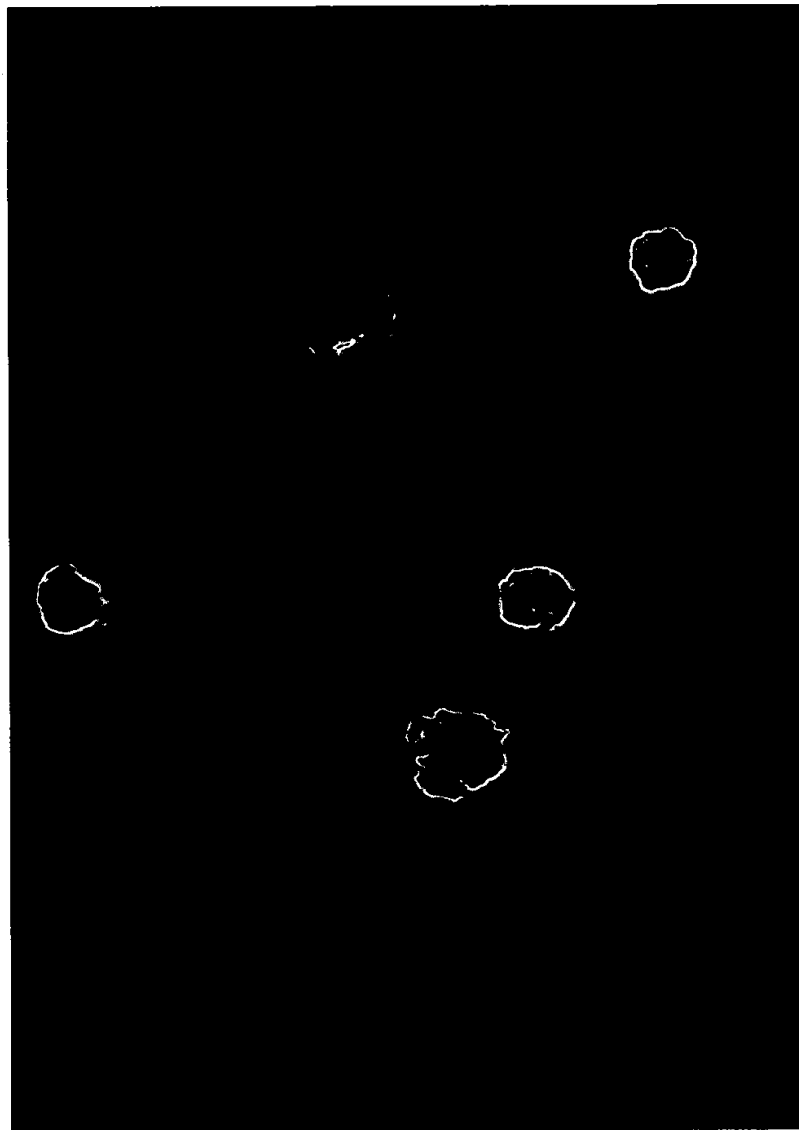


FIG. 2

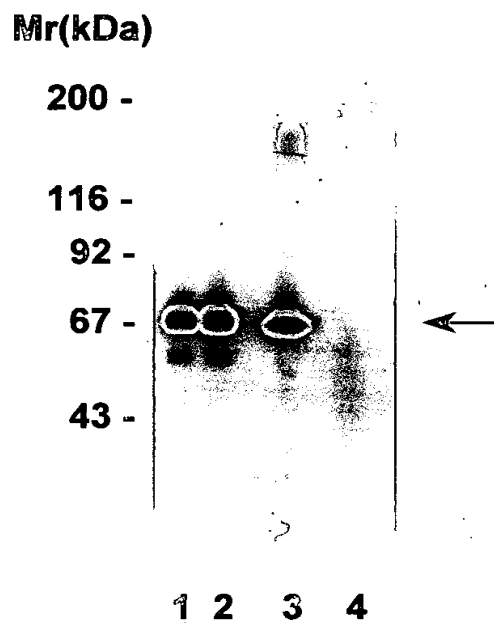


FIG. 3

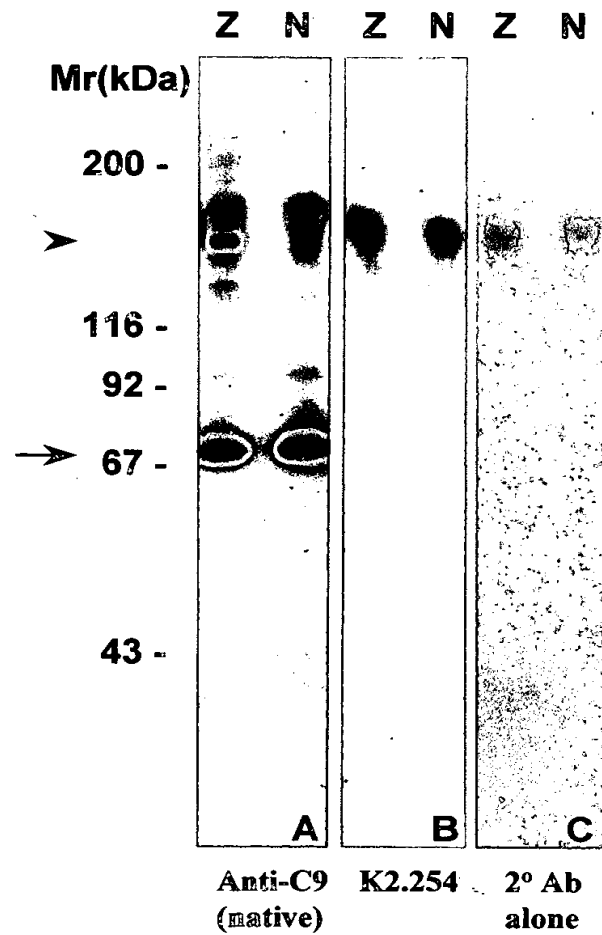


FIG. 4

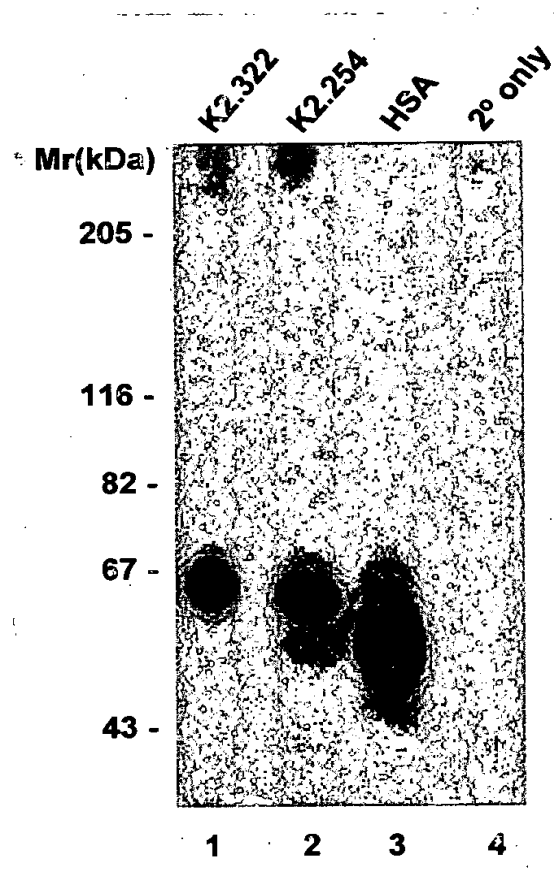


FIG. 5

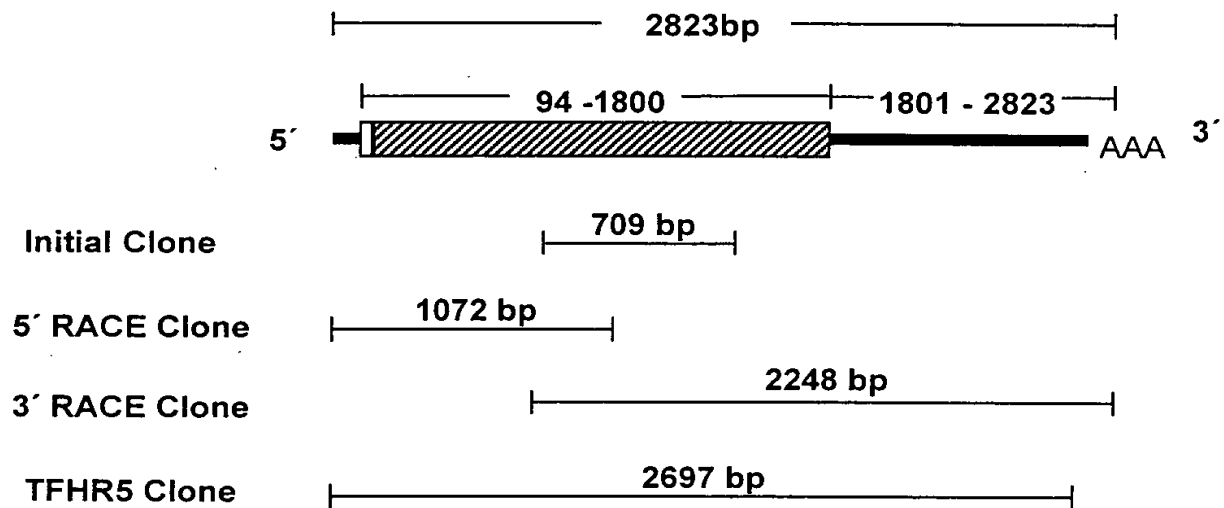
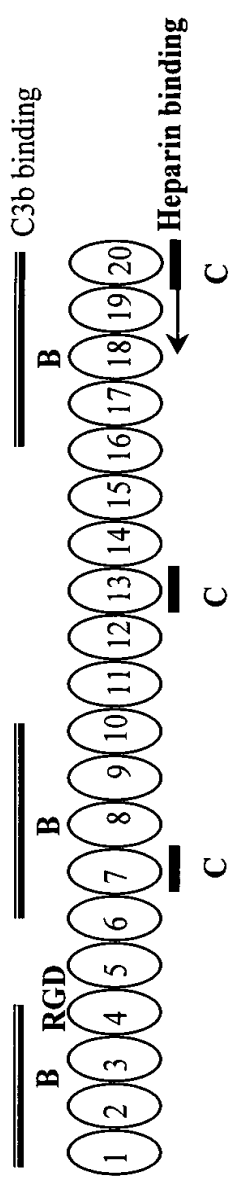


FIG. 6

HOMOLOGY WITHIN THE hFH FAMILY

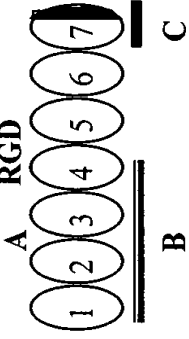
==== Decay accelerating + Co-factor activity

A



FH
150kD

A



FHL-1
42kD

B



FHR-1
33kD

C



FHR-2
24kD

B



FHR-3
37.5kD

C



FHR-4
86kD

B



FHR-5
62.4kD

Lipoprotein association

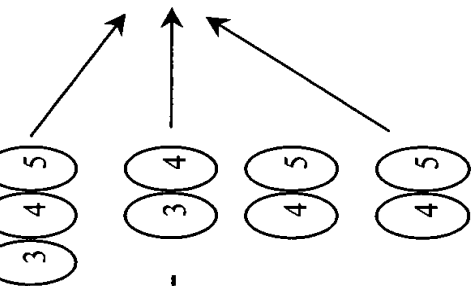


FIG. 6A

CAP Protein
(2823bp/569AA)

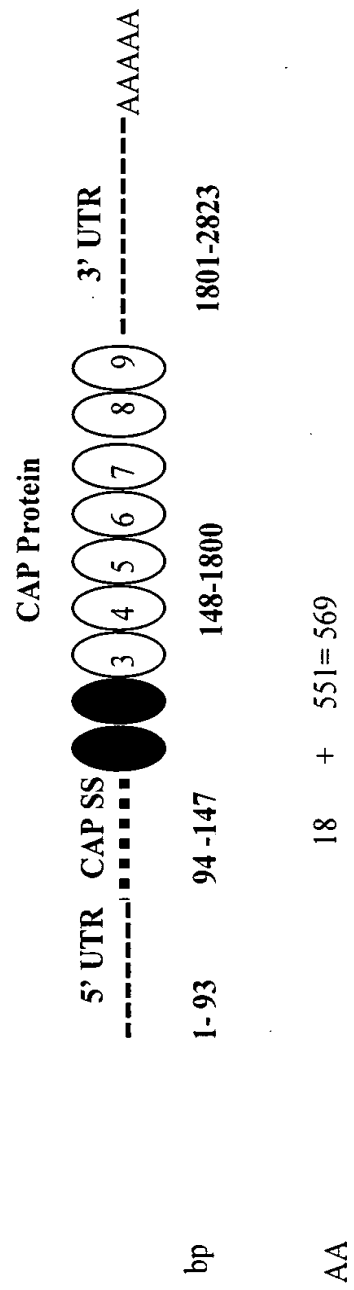


FIG. 7

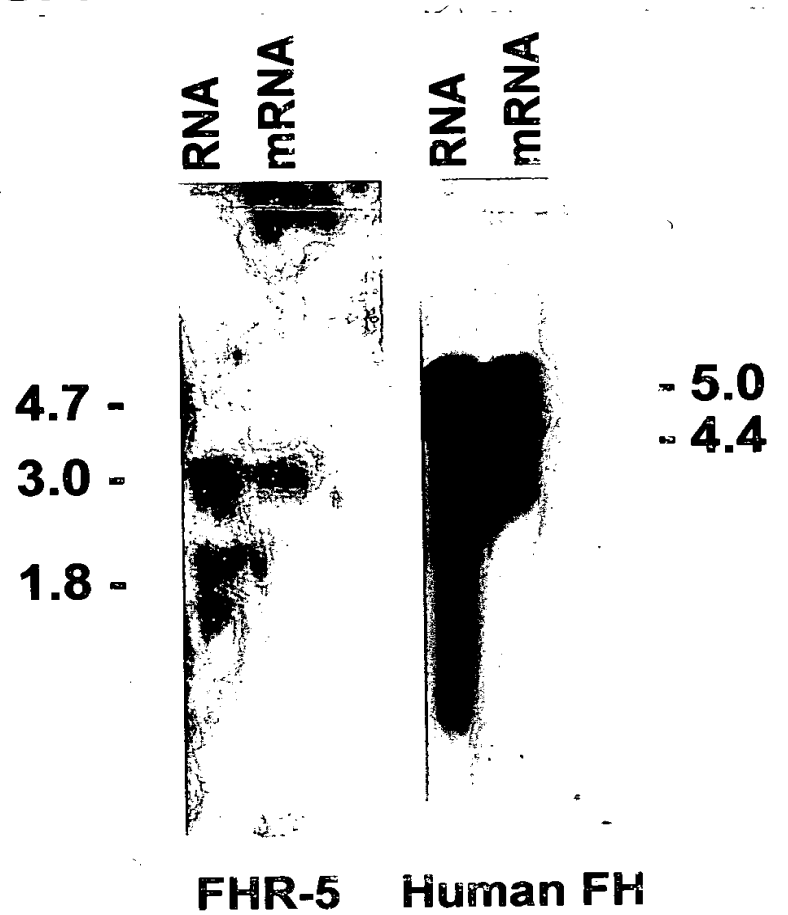


FIG. 8

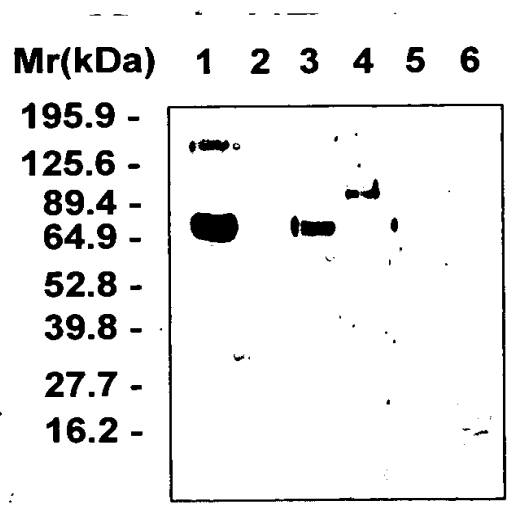


FIG. 9

Amino Acid
Coordinates

EGTL	C	DF	P	K	I	H	G	F	L	D	E	D	N	P	S	Q	V	P	T	G	E	V	F	Y	Y	S		
RM	C	S	F	P	F	V	K	N	G	H	S	E	S	S	G	L	I	H	L	E	G	D	T	V	Q	I	I	
KGE	C	H	V	P	I	L	E	A	N	V	D	A	Q	P	K	K	E	S	Y	K	V	G	D	V	L	K	F	S
GQVRS	C	G	P	P	P	Q	L	S	N	G	E	V	K	E	I	R	K	E	E	Y	G	H	N	E	V	E	Y	D
EQVKT	C	G	Y	I	P	E	L	E	Y	G	V	Q	P	S	V	P	P	Y	Q	H	G	V	S	V	E	V	E	N
ATHQLKR	C	K	I	A	G	V	N	I	K	T	L	L	K	L	S	G	K	E	F	N	H	N	S	R	I	R	Y	R
EKREQF	C	P	P	P	Q	I	P	N	A	Q	N	M	T	T	T	V	N	Y	Q	D	G	E	K	V	A	V	L	
ESTAY	C	G	P	P	P	S	I	N	N	G	D	T	T	S	F	P	L	S	V	P	P	G	S	T	V	T	Y	
DP	C	V	V	S	E	E	N	N	K	N	I	Q	L	K	W	R	N	D	G	K	L	Y	A	K	T	G	D	
	C	T	E	E	G	K	F	H	K	A	M	U	S	S	P	P	F	R	A	I	G	D	A	V	E	F	Q	
	C	Y	Q	F	G	W	S	P	N	F	T	T	R	I	T	C	N	M	I	T	V	K	E	I	V			
	C	T	E	E	G	W	S	P	N	F	T	T	R	I	T	C	N	M	I	T	V	K	E	I	V			
	C	T	E	E	G	W	S	P	N	F	T	T	R	I	T	C	N	M	I	T	V	K	E	I	V			
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	C	T	E	E	G	W	S	P	N	F	T	T	R	I	T	C	N	M	I	T	V	K	E	I	V			
	C	T	E	E	G	W	S	P	N	F	T	T	R	I	T	C	N	M	I	T	V	K	E	I	V			
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	C	T	E	E	G	W	S	P	N	F	T	T	R	I	T	C												

FIG. 10

FHR-5	SCR	1	EGTLCDFPKIHGFLYDEEDYNPFQVPTGEVFYYSCEYNFVSPSKSFWTRITCTEEGWSPTPKCL	% Homology
FHR-1	SCR	1	. A . F N K . K N	89.4%
FHR-2	SCR	1	. AMF N K . K A	87.9%
FHR-5	SCR	2	RMCSFPFVKNGHSESSGLIHLEGDTVQIICNTGYSLQNNNEKINISCVERGWSPTPICST	
FHR-1	SCR	2	. L . F E QT R N K . RS .	83.0%
FHR-2	SCR	2	. L . F E QT R N K . RS .	83.0%
FHR-5	SCR	3	KGECHVPILANVDAQPKKESYKVGDLKFSCKRKNLIRVGSQCYQFGWSPNFPPTCK	
FH	SCR	10	ER . . . EL . KIDVHLVPDR . . . DQY . . . E KPGFTI . . . PNS . . . H . . L . DL . I . .	47.5%
FHR-5	SCR	4	GQVRSCGPPPOLSNGEVKEIRKEEYGHNEVVEYDCNPFIINGPKKIQCVDGWTTLPCTCV	
FH	SCR	11	E . . . Q E . L . N KT S Y . . . R . LMK . N V . I	73.8%
FHR-5	SCR	5	EQVKTCGYIPELEYGYVQPSVPPYQHGVSVVEVNCRNEYAMIGNNMITCINGIWTELPMTVC	
FH	SCR	12	VEES D H . WA . L . S YY . D . . . F . . . SESFT HRS . . . H . V . . Q . . Q . .	56.7%
FHR-5	SCR	6	ATHQLKRCIKIAGVNIKTLLKLSGKEFNHNSRIRYRCSDFIRYRHSVCINGKWNPEVDCT	
FH	SCR	13	. IDK . . K . . SSNLI . LEEHLKNK D . . . N RGKEGW . T R . D . . N . S .	47.5%
FHR-5	SCR	7	EKREQFCPPPOIPNAQNMTTITVNYQDGEKVAVLCKENYLLPEAKEIVCKDGRWQSLPRCV	
FH	SCR	14	MAQI . L SH L . R S . . . Q . . . IQ . GE . . T I . . L . .	70.5
FHR-5	SCR	8	ESTAYCG-PPPSINNGDTSFPLSVYPPGSTVTYRCQSFYKLQGSVTVTCRNKQWSEPPRCL	
FH	SCR	19	D . GK PID . . . I A . A . S . E . Q . . NL . Q . E . NKRI G K . .	67.2%
FHR-1	SCR	4	D . GK PID . . . I A . A . S . E . Q . . NL . Q . E . NKRI G K . .	62.3%
FHR-2	SCR	3	I . AE . . . G . . PID . . . I A . A . S . E . Q . . NL . Q . E . NNQI G K . .	63.9%
FHR-3	SCR	4	N . SEK PIS L . K . V . Q . R . E . Q . . . Y . E NY . . . S . GE . . A . . I .	65.6%
FHR-4	SCR	4	N . SEK PIS L . K . V . Q . R . E . Q . . . Y . E NY . . . S . GE I .	63.9%
FHR-5	SCR	9	DPCVVSEENNMMKNNIQLKWRNDGKLYAKTGDAVEFQCKFPHKAMISSPPFRAICQEGKFEYPICE	
FH	SCR	20	H . . . I . R . I . . . ENY . . A . RWTAKQ . . . SR . . . ES . . . V . . RGYRLSSRSHTL . TT . WD . L . . T . AKR	41.8%
FHR-1	SCR	5	H . . . I . R . I . . . ENY . . A . RWTAKQ . . . LR . . . ESAEFV . . . RGYRLSSRSHTL . TT . WD . L . . T . AKR	41.7%
FHR-2	SCR	4	D . . . I . Q . I . . . EKY . . K . KWT . KQ . . . SR . . . I . . . V . . RGYHPTKS-HS . . AM . . N . LV . . S . . EK	55.2%
FHR-3	SCR	5	H . . . IIT K . . G . S . R . Y TIEFM . . . LGYN . NTS-LS . Q . V . R . IV . . R . .	58.5%
FHR-4	SCR	5	H . . . IIT QLKGKS . . I . Y TIEFM . . . LGYN . NTSVLS . Q . V . R . IV . . R . .	58.5%

FIG. 11A

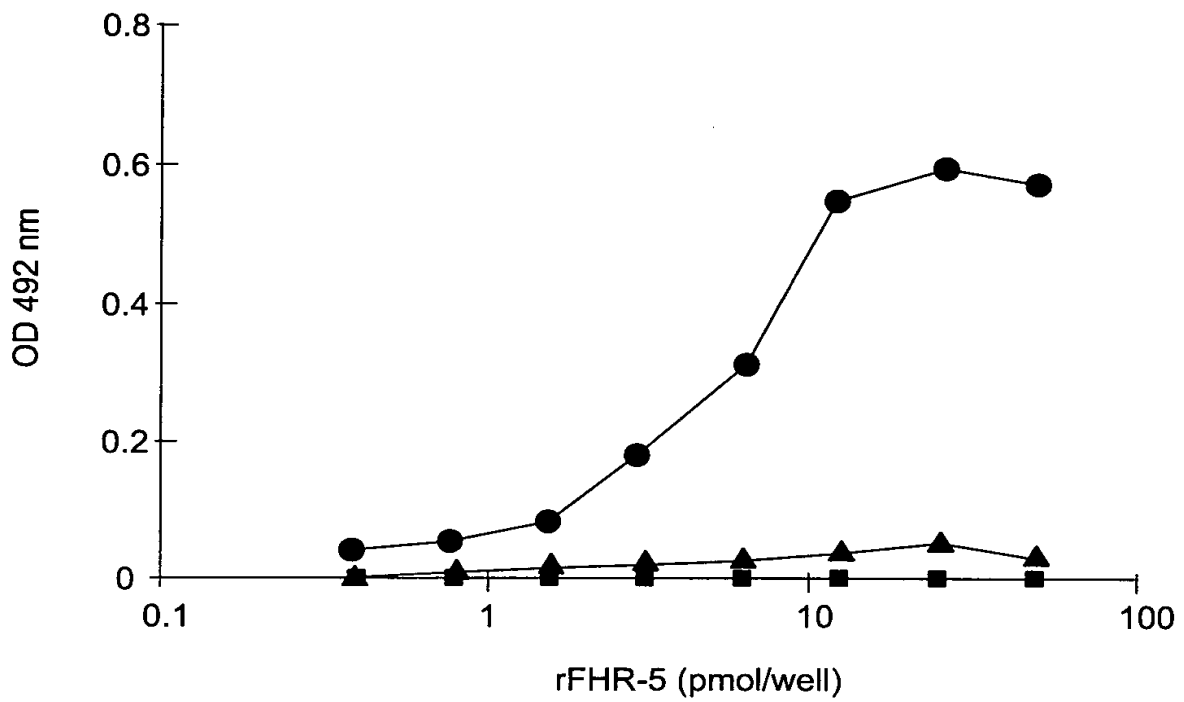


FIG. 11B

